



WISCONSIN DNR FISHERIES INFORMATION SHEET

LAKE: Anvil Lake

COUNTY: Vilas

YEAR: 2017

A comprehensive fishery survey was conducted of Anvil Lake, Vilas County, from April 10 through June 6, 2017 to determine the status of the fishery. Anvil Lakes are moderately fertile seepage lake with predominantly sand and gravel bottom substrates. The lake has a surface area of 398 acres and 4.1 miles of shoreline.

Walleye

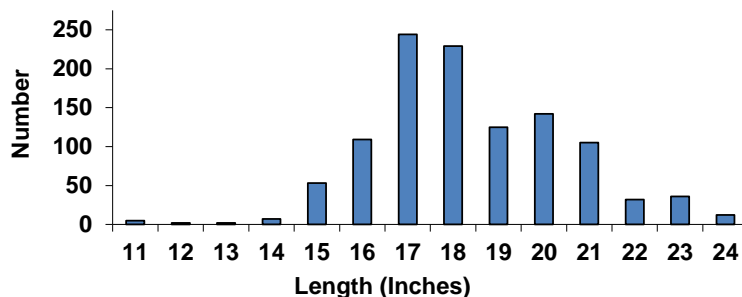


A total of 555 walleyes were captured in Anvil Lake during fyke netting and electrofishing. Of adult* walleye captured 99% were ≥ 15 inches, and 30% were ≥ 20 inches with the longest fish captured being a 24.5 inch female.

A mark and recapture survey of Anvil Lake estimated an adult* population of 1106 walleyes (2.8/acre). This estimate does not reflect the entire walleye population present in Anvil Lake as smaller juvenile walleyes were not included in it.

* Note: Adult walleye are defined as all sexable walleye (regardless of length) and those of unknown sex ≥ 15 inches in length.

Adult Walleye Population Length Distribution

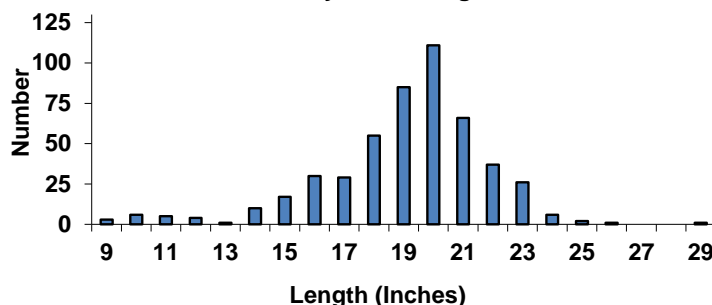


Northern Pike



Northern pike are very abundant in Anvil Lake. A total of 495 were captured during by fyke netting and electrofishing. The average length of northern pike surveyed was decent, with 51% of fyke netted fish being greater than 20 inches, and 2 fish sampled being over 26 inches. The longest northern pike captured was 29 inches.

Northern Pike Fyke Net Length Distribution



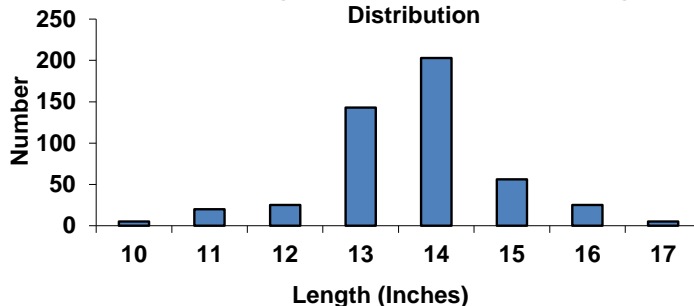
Largemouth Bass



Largemouth bass are present in Anvil Lake in low numbers. Survey crews captured 135 adult largemouth bass (≥ 8 inches) during sampling. All of these largemouth bass were 14 inches or greater in length. The longest largemouth bass captured was 17.7 inches.

A mark and recapture survey of Anvil Lake estimated an adult* population of 483 largemouth bass (1.2/acre).

Adult Largemouth Bass Population Length Distribution



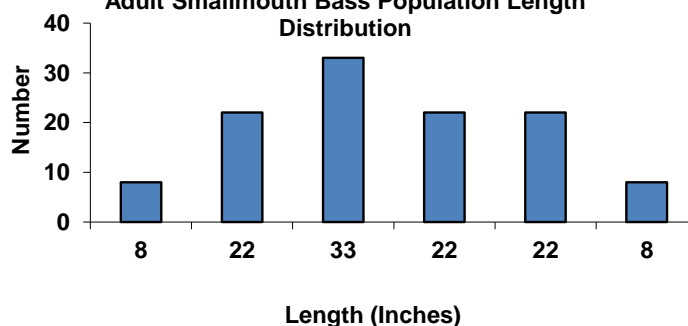
Smallmouth Bass



Smallmouth bass are present in Anvil Lake in moderate numbers. Survey crews captured 57 adult smallmouth bass (≥ 8 inches) during sampling. Eighty-seven percent of the smallmouth bass were 14 inches or greater in length. The longest smallmouth bass captured was 18.9 inches.

A mark and recapture survey of Anvil Lake estimated an adult* population of 121 smallmouth bass (0.3/acre).

Adult Smallmouth Bass Population Length Distribution



* Note: Adult largemouth and smallmouth bass are defined as all sexable fish (regardless of length) and those of unknown sex ≥ 8 inches in length.

PANFISH

Bluegill and yellow perch data was collected from half mile index electrofishing stations sampled on June 6th. Black crappie data was collected while fyke netting between April 11-16th. Overall, Anvil Lake has an abundant panfish population though it lacks numbers of quality-sized bluegill and yellow perch.

Bluegill



Bluegill were the most frequently encountered panfish species encountered electrofishing in Anvil Lake. Few bluegill over 6 inches were captured in this survey. No fish from a measured sub-sample of 100 was greater than 8 inches in length. The longest bluegill captured during the survey measured 6.8 inches.

Black Crappie



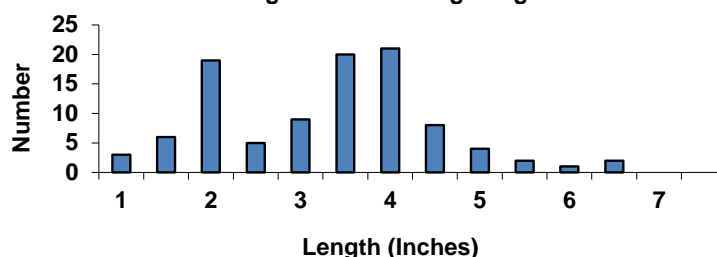
Black crappie were the most frequently encountered panfish in fyke nets in Anvil Lake. Of a sub-sample of 19 measured black crappie, 37% were at or above 10 inches in length. Four black crappie over 12 inches were collected during the survey, and the longest black crappie captured was 12.4 inches.

Yellow Perch

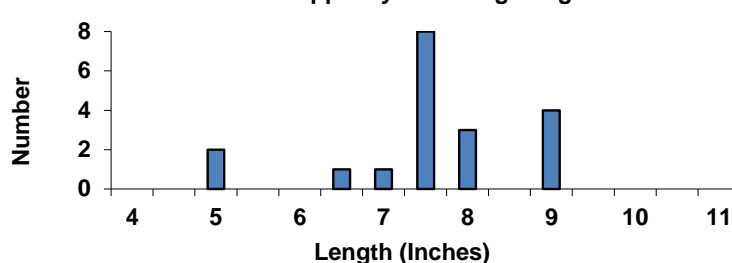


Yellow perch are moderately abundant in Anvil Lake. Of a measured sub-sample of 53 fish, none were over 8 inches. The longest yellow perch captured during the survey was 5.1 inches.

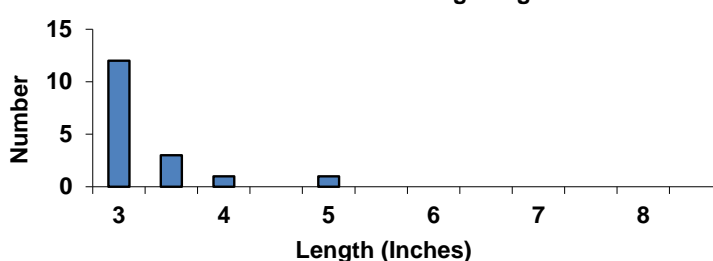
Bluegill Electrofishing Length Distribution



Black Crappie Fyke Netting Length Distribution



Yellow Perch Electrofishing Length Distribution



Other Fish Species

Other fish species captured during this survey include: pumpkinseed, rock bass, white sucker, and bluntnose minnow.

General Fishing Regulations Anvil Lake, Vilas County, 2018

FISH SPECIES	OPEN SEASON	DAILY LIMIT	MINIMUM LENGTH
Walleye	May 5 - March 3	3	15" min. length, 20-24" no harvest slot 1 fish over 24" allowed
Smallmouth Bass	May 5 - June 15 June 16 - March 3	0 5 in total w/ LMB	catch and release 14 inches
Largemouth Bass	May 5 - March 3	5 in total w/ SMB	14 inches
Northern Pike	May 6 - March 3	5	no minimum length
Panfish	all year	25	no minimum length

A brief summary of selected fishing regulations for Anvil Lake is included above. While the regulatory information provided was current as of the writing of this report, it is not comprehensive and should not be used as a substitute for the current fishing regulation pamphlet. You may obtain a copy of current fishing regulations when you purchase your fishing license, or download a copy from our web site at:

<http://dnr.wi.gov/topic/fishing/regulations/>

For answers to questions about fisheries management activities and plans for Anvil Lake, Vilas County, contact:

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